Let's get Hooked

Revision

1) React. Fragment and way to use it.

2) What is reconciliation?

3) Virtual DOM

4) Diff Algorithm

5) React Fiber

→ File organization of the project.
   (React File structure).

→ importing & exporting component.

↳ ways of export

i) default ~~default~~ import
   (one can export default only
   one thing). import component.

ii) exporting by name
    Named import
    import { component }

When to use what?

के

- Import every component from
  one file
  → import * as obj from ___

Accessing component
    obj.component1

→ It doesn't matter whether you
use .jsx or .js in your file
extension.

export default will be
    preferred. (most of the times).

→ creation of config file for a
  project :

Qe. what one should put in config file
    all the Hardcoded data.

Ans)

Need of it
→ it same thing needs to
  be in use is cot of files
  on, they change in future.
  we only need to change
  at one place.

Always keep your code cleaner and maintainable.

Introduction to Hooks

- Building the search functionality.

→ React uses one-way data binding.

→ onChange function

$$onChange = \{ (e) \Rightarrow \underline{\text{callback function}} \\ (e.target.value) \}$$

→ <u>modifying variable in React</u>

- Every component in React maintains a state.
- One can put the variable in state.
- Everytime you want to create a local variable use state.

Introducing the very first hook
→ useState is Hook

- Hook is nothing but a normal JavaScript function.

1) usestate Hook

to create state variable.
it returns an array.

ugr const [searchText] = usestate ([ ]);
                                          default
                                          value

Q) How one can modify state variable?

↳ By the function which is given by usestate's only.

const [searchInput, setSearchInput]
    = usestate ( );

onChange = ((e) => { setSearchInput (e.target.value);
  }

usestate ( ) returns
[variable name, function to update the variable].

→ Event property
→ synthetic Event's

q) why do I need state variables?

- Everytime you want your variable to be in sync with v2, you must use state variable.
- React keeps track of state variables.

q) why do I need state in itself?

so, every change in v1 will be in sync with v2?

→ make a login - Logout button

experiment with reconcilliation and diff algorithm.

<u>Making the search work</u>

→ use filter method on state variable.